

Event code	Event name	Meaning	Assumed cause	Level					Reference
				Maj	Prt	Min	Obs	Info	
94410000 hex	Slave Connected	A slave was reconnected for a reconnection command.	<ul style="list-style-type: none"> An operation to reconnect the slave was executed from the Sysmac Studio. The EC_ConnectSlave instruction was executed. 					S	NJ-series CPU Unit Built-in EtherCAT Port User's Manual (Cat. No. W505)
94430000 hex	Errors Reset	A command was received to reset errors.	<ul style="list-style-type: none"> An error reset operation was performed from the Sysmac Studio. The ResetECError instruction was executed. 					S	Same as above.
94440000 hex (Ver. 1.04)	Slave Disabled	The EtherCAT Slave was disabled.	<ul style="list-style-type: none"> The EC_ChangeEnableSetting instruction was executed. 					S	Same as above.
94450000 hex (Ver. 1.04)	Slave Enabled	The EtherCAT Slave was enabled.	<ul style="list-style-type: none"> The EC_ChangeEnableSetting instruction was executed. 					S	Same as above.

3-1-6 Errors in the DB Connection Service Function

The section provides tables of the errors (events) that can occur in the DB connection service or DB connection instructions.

You can use the DB connection service and DB connection instructions with an NJ501-1□20 CPU Unit.

The errors are divided into the following functional groups.

- DB connection service
- DB connection instructions

Errors Related to DB Connection Service

Event code	Event name	Meaning	Assumed cause	Level					Reference
				Maj	Prt	Min	Obs	Info	
14D00000 hex (Ver. 1.05)	Spool Memory Corrupted	The Spool memory is corrupted.	<ul style="list-style-type: none"> The user application made an invalid writing to the Spool memory. 			S			NJ-series Database Connection CPU Units User's Manual (Cat. No. W527)
14D20000 hex (Ver. 1.05)	Execution Log Save Failed	Failed to save the Execution Log to the SD Memory Card.	<ul style="list-style-type: none"> An SD Memory Card is not inserted. The SD Memory Card is not the correct type of card. The format of the SD Memory Card is not correct. The SD Memory Card is write-protected. The capacity of the SD Memory Card is insufficient. The SD Memory Card is damaged. 			S	U		Same as above.

Event code	Event name	Meaning	Assumed cause	Level					Reference
				Maj	Prt	Min	Obs	Info	
14D30000 hex (Ver. 1.05)	SQL Execution Failure Log Save Failed	Failed to save the SQL Execution Failure Log to the SD Memory Card.	<ul style="list-style-type: none"> An SD Memory Card is not inserted. The SD Memory Card is not the correct type of card. The format of the SD Memory Card is not correct. The SD Memory Card is write-protected. The capacity of the SD Memory Card is insufficient. The SD Memory Card is damaged. 			S	U		NJ-series Database Connection CPU Units User's Manual (Cat. No. W527)
35300000 hex (Ver. 1.05)	DB Connection Setting Error	The DB Connection settings are not correct.	<ul style="list-style-type: none"> The power supply to the Controller was interrupted during a download of the DB Connection settings. The DB Connection settings are not correct because the power supply to the Controller was interrupted during a Clear All Memory operation. The DB Connection settings are not correct because the power supply to the Controller was interrupted during a Restore operation. Non-volatile memory failed. 			S			Same as above.
85100000 hex (Ver. 1.05)	DB Connection Disconnected Error	The DB Connection was disconnected due to an error.	<ul style="list-style-type: none"> The power supply to the server is OFF. The DB is stopped in the server. The Ethernet cable connector is disconnected. The Ethernet cable is broken. Noise 			S			Same as above.
95300000 hex (Ver. 1.05)	DB Connection Service Started	The DB Connection Service was started.	<ul style="list-style-type: none"> The DB Connection Service was successfully started. 					S	Same as above.
95310000 hex (Ver. 1.05)	DB Connection Service Stopped	The DB Connection Service was stopped.	<ul style="list-style-type: none"> The DB Connection Service was stopped. 					S	Same as above.
95320000 hex (Ver. 1.05)	DB Connection Service Shutdown	The DB Connection Service was shut down.	<ul style="list-style-type: none"> The DB Connection Service was shut down for turning OFF the power supply safely. 					S	Same as above.

Errors Related to DB Connection Instructions

Errors are given as event codes that use the error code as the lower four digits. For descriptions of an error code, refer to the description of the corresponding event code. For example, if the error code for the instruction is 16#3000, refer to the description for event code 54013000 hex.

Event code	Event name	Meaning	Assumed cause	Level					Reference
				Maj	Prt	Min	Obs	Info	
54013000 hex (Ver. 1.05)	DB Connection Service Not Started	The DB Connection Service has not been started.	<ul style="list-style-type: none"> A command to start the DB Connection Service was not given before the execution of relevant instruction. A command to stop the DB Connection Service was given before the execution of relevant instruction. 				S		NJ-series Database Connection CPU Units User's Manual (Cat. No. W527)
54013001 hex (Ver. 1.05)	DB Connection Service Run Mode Change Failed	Failed to change the Run mode of the DB Connection Service.	<ul style="list-style-type: none"> Run mode change to Test Mode was executed by the relevant instruction while running in Operation Mode. Run mode change to Operation Mode was executed by the relevant instruction while running in Test Mode. Start of the DB Connection Service was commanded while the DB Connection Service was being stopped. Shutdown of the DB Connection Service was commanded while the DB Connection Service was being stopped. 				S		Same as above.
54013002 hex (Ver. 1.05)	DB Connection Service Shutdown or Shutting Down	The DB Connection Service is already shut down or being shut down.	<ul style="list-style-type: none"> The relevant instruction was executed after the DB Connection Service was shut down. The relevant instruction was executed while the shutdown processing of the DB Connection Service was in progress. 				S		Same as above.
54013003 hex (Ver. 1.05)	Invalid DB Connection Name	The specified DB Connection Name is not set in any DB Connection settings.	<ul style="list-style-type: none"> The DB Connection Name specified in the <i>DBConnectionName</i> input variable of the relevant instruction is wrong. The DB Connection Name set in the DB Connection settings is wrong. 				S		Same as above.
54013004 hex (Ver. 1.05)	DB Connection Rejected	The DB rejected the connection.	<ul style="list-style-type: none"> The user name or password set in the DB Connection settings is wrong. 				S		Same as above.
54013005 hex (Ver. 1.05)	DB Connection Failed	Failed to connect to the DB.	<ul style="list-style-type: none"> A server does not exist for the specified IP address or the specified host name. The power supply to the server is OFF. The DB is stopped in the server. The Ethernet cable connector is disconnected. The Ethernet cable is broken. 				S		Same as above.
54013006 hex (Ver. 1.05)	DB Connection Already Established	A same-name DB Connection is already established.	<ul style="list-style-type: none"> The relevant instruction was executed when a same-name DB Connection was already established. 				S		Same as above.

Event code	Event name	Meaning	Assumed cause	Level					Reference
				Maj	Prt	Min	Obs	Info	
54013007 hex (Ver. 1.05)	Too Many DB Connections	The number of DB Connections that can be established at the same time is exceeded.	<ul style="list-style-type: none"> The relevant instruction was executed when the maximum number of DB Connections that can be established at the same time were already established. 				S		NJ-series Database Connection CPU Units User's Manual (Cat. No. W527)
54013008 hex (Ver. 1.05)	Invalid DB Connection	The specified DB Connection is not correct, or the DB Connection is already closed.	<ul style="list-style-type: none"> The DB Connection specified in the <i>DBConnection</i> input variable of the relevant instruction is wrong. The DB Connection specified in the <i>DBConnection</i> input variable of the relevant instruction is closed. 				S		Same as above.
54013009 hex (Ver. 1.05)	Invalid DB Map Variable	The specified DB Map Variable is not correct.	<ul style="list-style-type: none"> A structure variable that contains a derivative data type of member was specified as a DB Map Variable. A non-structure variable was specified as a DB Map Variable. A structure array variable was specified as a DB Map Variable for INSERT or UPDATE. 				S		Same as above.
5401300A hex (Ver. 1.05)	Unregistered DB Map Variable	The specified DB Map Variable has not been registered.	<ul style="list-style-type: none"> The DB Map Variable has not been created by a <i>DB_CreateMapping</i> instruction. A variable that is not registered as a DB Map Variable was specified in <i>MapVar</i>. The DB Connection specified in the relevant instruction is different from the one specified at the execution of <i>DB_CreateMapping</i> instruction. 				S		Same as above.

Event code	Event name	Meaning	Assumed cause	Level					Reference
				Maj	Prt	Min	Obs	Info	
5401300B hex (Ver. 1.05)	SQL Execution Error	The executed SQL statement resulted in an error.	<ul style="list-style-type: none"> There is no column with the same name as a structure member of the DB Map Variable. The table specified in the DB_CreateMapping instruction does not exist in the DB. One or more structure member values of the DB Map Variable cannot be converted to the corresponding column's data type. One or more column values cannot be converted to the corresponding structure member's data type of the DB Map Variable. One or more structure member values of the DB Map Variable exceed the valid range of the corresponding column's data type. The column specified in the extraction condition does not exist in the DB's records. (DB_Select instruction, DB_Update instruction, DB_Delete instruction) The extraction condition has a syntax error. (DB_Select instruction, DB_Update instruction, DB_Delete instruction) The column specified in the sort condition does not exist in the DB's records. (DB_Select instruction) The sort condition has a syntax error. (DB_Select instruction) The user does not have the access rights to the table. 				S		NJ-series Database Connection CPU Units User's Manual (Cat. No. W527)
5401300C hex (Ver. 1.05)	Spool Capacity Exceeded	The SQL statement could not be stored in the Spool memory because its maximum capacity was exceeded.	<ul style="list-style-type: none"> The DB connection failure has been continuing due to network failure or other factors. The resend processing of the SQL statements stored in the Spool memory has not been executed (when the <i>Resend spool data</i> parameter is set to <i>Manual</i>). 				S		Same as above.
5401300E hex (Ver. 1.05)	Invalid Extraction Condition	The entered extraction condition is invalid.	<ul style="list-style-type: none"> A text string that consists of a NULL (16#00) character only was specified in the <i>Where</i> input variable. 				S		Same as above.
54013010 hex (Ver. 1.05)	Log Code Out of Range	The value of the entered log code is outside the valid range.	<ul style="list-style-type: none"> A value outside the valid range from 0 to 9999 was specified. 				S		Same as above.

Event code	Event name	Meaning	Assumed cause	Level					Reference
				Maj	Prt	Min	Obs	Info	
54013011 hex (Ver. 1.05)	DB Connection Disconnected Error Status	The instruction could not be executed because the DB Connection had been disconnected due to an error.	<ul style="list-style-type: none"> The power supply to the server is OFF. The DB is stopped in the server. The Ethernet cable connector is disconnected. The Ethernet cable is broken. Noise 				S		NJ-series Database Connection CPU Units User's Manual (Cat. No. W527)
54013012 hex (Ver. 1.05)	DB Connection Instruction Execution Timeout	The instruction was not completed within the time specified for time-out.	<ul style="list-style-type: none"> The power supply to the server is OFF. The Ethernet cable connector is disconnected. The Ethernet cable is broken. The server's processing time is long. 				S		Same as above.
54013013 hex (Ver. 1.05)	DB Connection Service Error Stop	The instruction could not be executed because the DB Connection Service was stopped due to an error.	<ul style="list-style-type: none"> The DB Connection settings are corrupted. 				S		Same as above.
54013014 hex (Ver. 1.05)	Data Already Spooled	One or more SQL statements are already stored in the Spool memory.	<ul style="list-style-type: none"> A DB_Insert or DB_Update instruction was executed when one or more SQL statements were already stored in the Spool memory. A DB_Select or DB_Delete instruction was executed when one or more SQL statements were already stored in the Spool memory. 				S		Same as above.
54013015 hex (Ver. 1.05)	DB Connection Service Initializing	The instruction could not be executed because the initialization processing of the DB Connection Service is in progress.	<ul style="list-style-type: none"> The relevant instruction was executed during the initialization processing of the DB Connection Service. 				S		Same as above.
54013016 hex (Ver. 1.05)	DB in Process	The instruction could not be executed because the DB is under processing in the server.	<ul style="list-style-type: none"> Though a DB Connection Instruction Execution Timeout occurred for the previous instruction, the relevant instruction was executed before completion of the DB's processing in the server. 				S		Same as above.
54013017 hex (Ver. 1.05)	Operation Log Disabled	The log could not be recorded because the specified Operation Log is disabled.	<ul style="list-style-type: none"> Though Execution Log was specified in the <i>LogType</i> input variable, the Execution Log is disabled. Though Debug Log was specified in the <i>LogType</i> input variable, recording to the Debug Log is stopped. 				S		Same as above.